Amendments to the Claims

1-16. (Canceled)

17. (New) In a network device, a method comprising:

storing in physical memory of the network device first data representing a first logical

grouping of a first plurality of media gateways into a first virtual media gateway, each media

gateway of the first plurality being communicatively coupled with the network device via a

communication network, and the first data including, for each media gateway of the first

plurality, a network address and media gateway attribute;

associating a first identifier with the first logical grouping; and

intermediating communications between a media gateway controller and the first

plurality of media gateways based on at least the first identifier, the media gateway controller

being communicatively coupled with the network device via the communication network,

wherein intermediating communications comprises sending and receiving messages via the

communication network.

18 (New) The method of claim 17 further comprising:

storing in the physical memory of the network device second data representing a second

logical grouping of a second plurality of media gateways into a second virtual media gateway,

each media gateway of the second plurality being communicatively coupled with the network

device via the communication network, and the second data including, for each media gateway

of the second plurality, a network address and a media gateway attribute;

associating a second identifier with the second logical grouping; and

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intermediating communications between the media gateway controller and the second

plurality of media gateways based on at least the second identifier.

19. (New) The method of claim 17, wherein the first identifier is a virtual network

address, and wherein associating the first identifier with the first logical grouping comprises

associating the virtual network address with the first virtual media gateway.

(New) The method of claim 17, wherein intermediating communications between

the media gateway controller and the first plurality of media gateways comprises intermediating

media gateway control messages between the media gateway controller and the first plurality of

media gateways.

21. (New) The method of claim 20, wherein the media gateway control messages

comprise messages compliant with a protocol for media gateway control.

22. (New) The method of claim 21, wherein the protocol is at least one of MEGACO

and MGCP

23. (New) The method of claim 19, wherein intermediating communications between

the media gateway controller and the first plurality of media gateways based on at least the first

identifier comprises:

at the network device, receiving a media gateway control message from the media

gateway controller, the media gateway control message including the virtual network address

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associated with the first virtual media gateway, a sub-command, and an attribute;

determining a network address for a particular media gateway of the first plurality by

matching the attribute to a media gateway attribute in the first data; and

sending the sub-command to the particular media gateway according to the network

address for the particular media gateway.

24 (New) The method of claim 19, wherein intermediating communications between

the media gateway controller and the first plurality of media gateways based on at least the first

identifier further comprises:

at the network device, receiving a media gateway control response message from at least

one media gateway of the first plurality, the media gateway control response message being a

reply to a media gateway control message sent from the media gateway controller to the at least

one media gateway via the device;

forming a media gateway control transaction reply message that includes the media

gateway control response message from the at least one media gateway of the first plurality, and

also includes the virtual network address; and

sending the media gateway control transaction reply message to the media gateway

controller.

25. (New) The method of claim 19 wherein intermediating communications between

the media gateway controller and the first plurality of media gateways based on at least the first

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identifier comprises:

at the network device, receiving a media gateway control message from the media

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gateway controller, the media gateway control message including the virtual network address

associated with the first virtual media gateway, and also including a plurality of sub-commands,

each sub-command being paired with an attribute;

for each respective sub-command of the plurality of sub-commands:

determining a network address for a given media gateway of the first plurality by

matching the attribute paired with the respective sub-command to a media gateway

attribute in the first data.

sending the respective sub-command to the given media gateway according to the

network address for the given media gateway,

and receiving at the network device a sub-command response to the respective

sub-command from the given media gateway;

forming a media gateway control transaction reply message that includes each sub-

command response, and also includes the virtual network address; and

sending the media gateway control transaction reply message to the media gateway

controller.

(New) A network device comprising:

means for storing in physical memory of the network device first data representing a first

logical grouping of a first plurality of media gateways into a first virtual media gateway, wherein

each media gateway of the first plurality is communicatively coupled with the network device

via a communication network, and wherein the first data includes, for each media gateway of the

first plurality, a network address and media gateway attribute;

means for associating a first identifier with the first logical grouping; and

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means for intermediating communications between a media gateway controller and the

first plurality of media gateways based on at least the first identifier, wherein the media gateway

controller is communicatively coupled with the network device via the communication network,

wherein intermediating communications comprises sending and receiving messages via the

communication network

2.7 (New) The network device of claim 26 further comprising:

means for storing in the physical memory of the network device second data representing

a second logical grouping of a second plurality of media gateways into a second virtual media

gateway, wherein each media gateway of the second plurality is communicatively coupled with

the network device via the communication network, and wherein the second data includes, for

each media gateway of the second plurality, a network address and a media gateway attribute;

means associating a second identifier with the second logical grouping; and

means intermediating communications between the media gateway controller and the

second plurality of media gateways based on at least the second identifier.

28 (New) The network device of claim 26, wherein the first identifier is a virtual

network address, and wherein means for associating the first identifier with the first logical

grouping comprise means for associating the virtual network address with the first virtual media

gateway.

29 (New) The network device of claim 26, wherein means for intermediating

communications between the media gateway controller and the first plurality of media gateways

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comprise means for intermediating media gateway control messages between the media gateway

controller and the first plurality of media gateways.

30. (New) The network device of claim 29, wherein the media gateway control

messages comprise messages compliant with a protocol for media gateway control,

31. (New) The network device of claim 28, wherein means for intermediating

communications between the media gateway controller and the first plurality of media gateways

based on at least the first identifier comprise:

means for receiving at the network device a media gateway control message from the

media gateway controller, wherein the media gateway control message includes the virtual

network address associated with the first virtual media gateway, a sub-command, and an

attribute;

means for determining a network address for a particular media gateway of the first

plurality by matching the attribute to a media gateway attribute in the first data; and

means for sending the sub-command to the particular media gateway according to the

network address for the particular media gateway.

32. (New) The network device of claim 28, wherein means for intermediating

communications between the media gateway controller and the first plurality of media gateways

based on at least the first identifier further comprise:

means for receiving at the network device a media gateway control response message

from at least one media gateway of the first plurality, wherein the media gateway control

McDONNELL BOEHNEN HULBERT & BERGHOFF LLP 1806 SOUTH WACKER DRIVE, 32ND FLOOR CHICAGO, IL 80808 response message is a reply to a media gateway control message sent from the media gateway

controller to the at least one media gateway via the device:

means for forming a media gateway control transaction reply message that includes the

media gateway control response message from the at least one media gateway of the first

plurality, and also includes the virtual network address; and

means for sending the media gateway control transaction reply message to the media

gateway controller.

33. (New) The network device of claim 28 wherein means for intermediating

communications between the media gateway controller and the first plurality of media gateways

based on at least the first identifier comprise:

means for receiving at the network device a media gateway control message from the

media gateway controller, wherein the media gateway control message includes the virtual

network address associated with the first virtual media gateway, and also includes a plurality of

sub-commands, wherein each sub-command is paired with an attribute;

means for, for each respective sub-command of the plurality of sub-commands:

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determining a network address for a given media gateway of the first plurality by

matching the attribute paired with the respective sub-command to a media gateway

attribute in the first data.

sending the respective sub-command to the given media gateway according to the

network address for the given media gateway,

and receiving at the network device a sub-command response to the respective

sub-command from the given media gateway;

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means for forming a media gateway control transaction reply message that includes each

sub-command response, and also includes the virtual network address; and

means for sending the media gateway control transaction reply message to the media

gateway controller.

34. (New) A tangible computer-readable medium having stored thereon, computer-

executable instructions that, if executed by a computing device, cause the computing device to

perform a method comprising:

storing first data representing a first logical grouping of a first plurality of media

gateways, wherein the first logical grouping comprises a first virtual media gateway, and

wherein the first data includes, for each media gateway of the first plurality, a network address

and media gateway attribute;

associating a first identifier with the first logical grouping; and

intermediating communications between a media gateway controller and the first

plurality of media gateways based on at least the first identifier, wherein intermediating

communications comprises sending and receiving messages via a communication network.

35. (New) The tangible computer-readable medium of claim 34, wherein the first

identifier is a virtual network address,

wherein associating the first identifier with the first logical grouping comprises

associating the virtual network address with the first virtual media gateway,

wherein intermediating communications between the media gateway controller and the

first plurality of media gateways comprises intermediating media gateway control messages

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between the media gateway controller and the first plurality of media gateways,

and wherein the media gateway control messages comprise messages compliant with a

protocol for media gateway control.

(New) The tangible computer-readable medium of claim 34, wherein the first 36

identifier is a virtual network address.

wherein associating the first identifier with the first logical grouping comprises

associating the virtual network address with the first virtual media gateway,

and wherein intermediating communications between the media gateway controller and

the first plurality of media gateways based on at least the first identifier comprises:

receiving a media gateway control message from the media gateway controller, wherein

the media gateway control message includes the virtual network address associated with the first

virtual media gateway, and also includes a plurality of sub-commands, wherein each sub-

command is paired with an attribute;

for each respective sub-command of the plurality of sub-commands:

determining a network address for a given media gateway of the first plurality by

matching the attribute paired with the respective sub-command to a media gateway

attribute in the first data.

sending the respective sub-command to the given media gateway according to the

network address for the given media gateway,

and receiving a sub-command response to the respective sub-command from the

given media gateway;

forming a media gateway control transaction reply message that includes each sub-

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command response, and also includes the virtual network address; and

sending the media gateway control transaction reply message to the media gateway controller.